

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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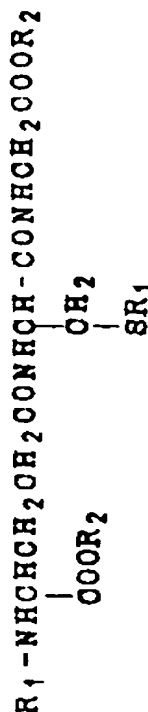
APPLICATION DATE : 14-02-81  
APPLICATION NUMBER : 56020473

APPLICANT : POLA CHEM IND INC;

INVENTOR : SHIBAMOTO TAKESHI;

INT.CL. : A61K 7/00

TITLE : COSMETIC



ABSTRACT : NEW MATERIAL:An N,S-diacylglutathione diester of the formula ( $R_1$  is acyl;  $R_2$  is alcoholic residue).

EXAMPLE: N,S-Dioctanoylglutathione distearyl.

USE: Useful as a cosmetic base having the inhibitory action on melanization and decoloring action on melanin pigments, capable of dissolving at a low temperature, exhibiting improved percutaneous absorption with high stability. The formulated cosmetic is rapidly deacylated in a living body on application to the skin, gives a desirable enzymic activating action and inhibitory action on tyrosinase activity, and exhibits preventing effects on the dark skin, liver spots or freckles.

PROCESS: Glutathione is mixed with N,N'-dimethylformamide, and triethylamine is added thereto. After adding palmitoyl chloride dropwise thereto, p-toluenesulfonic acid and cetyl alcohol are added thereto, and the resultant mixture is refluxed to give N,S-dipalmitoylglutathione dicetyl in the compound of the formula.